| In | dex | of Cl | aims |  |
|----|-----|-------|------|--|
|    |     |       |      |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |  |
|-------------------------|---|--|
| 10/511,525              | CHANG ET AL.                            |  |
| Examiner                | Art Unit                                |  |
| Rita J. Desai           | 1625                                    |  |

| / | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  | A | Appeal   |
|---|--------------|---|----------|
| ı | Interference | o | Objected |

| Cla  | aim        | Date   |                 |          |          | $\neg$   | ſ        | Cla  | im       | Date     |     |       |          |              |          |                | Cla             | aim      | Date     |          |          |          |     |       |            |                |                 |          |          |          |          |          |          |                      |
|--|------------|--|-----------------|----------|----------|----------|----------|--|----------|----------|-----|-------|----------|--------------|----------|----------------|-----------------|----------|----------|----------|----------|----------|-----|-------|------------|----------------|-----------------|----------|----------|----------|----------|----------|----------|----------------------|
|  | 1          | 7  | П               | $\neg$   |          |          |          |  |          | 7        | Ì   |       |          |              |          |                |                 |          |          |          |          |          |     |       |            |                |                 |          |          |          |          |          |          | П                    |
| ज  | Original   | 0/2/0  | H               |          |          |          |          |  |          | -  -     |     | ਯੂ    | Original |              |          |                |                 |          |          |          |          |          |     | 평     | Original   |                |                 |          |          |          |          |          |          |                      |
| Final  | <u>.</u> ē | 16   |                 |          |          |          |          |  |          | -        | - 1 | Final | ng       |              |          |                |                 |          | İ        |          |          |          |     | Final | rig        |                |                 |          |          |          |          |          |          |                      |
| -  | 0          | 00   |                 |          |          |          |          |  |          | -        |     | _     | 0        |              |          |                |                 |          | ı        |          |          |          |     | _     | 0          |                |                 |          |          |          |          |          |          |                      |
| $\vdash$   | 1          | 그  | $\vdash$        | $\dashv$ | $\dashv$ |          |          | Н  | $\dashv$ | ┪        | ŀ   |       | 51       |              |          | _              | $\vdash$        |          | -        |          |          |          |     |       | 101        |                | $\vdash$        |          | _        | _        | $\dashv$ | $\dashv$ |          | П                    |
| <u> </u>   | 2          | 11   |                 | $\neg$   | $\dashv$ |          | -        | Н  | -        | ᅱ        | ŀ   |       | 52       | -            | -        |                |                 |          | -        | -        |          | $\dashv$ |     |       | 102        |                | $\vdash$        | $\dashv$ | _        | ᅥ        | -        |          | _        | $\neg$               |
|  | 3          | H  | $\vdash$        | $\dashv$ |          | $\dashv$ | -        | $\vdash$   | $\dashv$ | ┥        | ŀ   |       | 53       | $\vdash$     | _        | _              | $\vdash$        |          | -        |          | $\dashv$ | $\dashv$ |     |       | 103        | -              | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | =        | $\vdash$             |
| $\vdash$   | 4          | 1  | $\vdash$        |          |          | -        |          | Н  | -+       | $\dashv$ | ł   |       | 54       | $\vdash$     |          | _              | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ᅥ        |     |       | 104        | -              | $\vdash$        |          |          | -        |          | $\dashv$ |          | $\dashv$             |
| $\vdash$   | =          | -  | $\vdash$        |          | $\dashv$ |          |          |  | $\dashv$ | $\dashv$ | ł   |       | 55       | -            |          |                | -               |          |          | $\dashv$ | $\dashv$ | $\dashv$ |     |       | 105        |                | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | =        | $\vdash \vdash$      |
| -  | 5<br>6     | $\vdash$   |                 | $\dashv$ |          |          | _        | $\vdash$   | +        | $\dashv$ | ŀ   |       | 56       | $\vdash$     |          |                | Н               |          | -        | $\dashv$ | $\dashv$ | ⊣        |     |       | 106        |                | $\vdash$        |          |          |          | $\dashv$ |          | _        | $\dashv$             |
|  | 7          | H  | $\vdash$        | $\dashv$ | -        | $\dashv$ |          | Н  | $\dashv$ | $\dashv$ | ŀ   |       | 57       |              |          |                | $\vdash$        |          | ┪        | $\dashv$ | $\dashv$ | $\dashv$ |     |       | 107        | _              | $\vdash$        | -        |          | -        | $\dashv$ |          |          | $\vdash \vdash$      |
|  |            | $\vdash$   | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |          | Н  | -        | $\dashv$ | ŀ   |       | 58       | -            | -        |                |                 |          |          |          |          | $\dashv$ |     |       | 108        |                | Н               | -        |          |          | $\dashv$ |          | _        | $\dashv$             |
|  | 8          | $\vdash$   | -               | -        |          | -        | -        | H  | -        | ᅥ        | ŀ   |       | 59       | -            |          | _              | Н               |          |          |          |          |          |     |       | 109        |                |                 | -        |          |          |          | $\dashv$ | _        | $\dashv$             |
|  | 10         | -  |                 |          |          | -        |          | -  |          |          | `   |       | 60       | $\vdash$     |          | _              | -               |          |          |          | $\dashv$ |          |     |       | 110        |                | Н               |          | -        |          |          | -        |          | $\vdash$             |
| <b>├</b> ──                                      | 11         | $\vdash$   | -+              | $\dashv$ | $\dashv$ |          | _        | Н  | -        | $\dashv$ | ŀ   |       | 61       | ⊢            |          |                | Н               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |     |       | 111        | _              | -               |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | _        | Н                    |
|  | 12         | $\vdash$   | $\vdash$        | $\dashv$ | $\dashv$ |          | _        | Н  | $\dashv$ | $\dashv$ | ŀ   |       | 62       | -            | -        | _              | Н               |          | $\dashv$ | $\dashv$ |          |          |     |       | 112        |                | Н               |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | Н                    |
|  | 18         | $\vdash$   | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\vdash$ | H  | $\dashv$ | ۲.       | ŀ   |       | 63       |              |          | $\vdash$       | $\vdash\vdash$  |          |          | $\dashv$ | $\dashv$ |          |     |       | 113        |                | $\vdash$        |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | Н                    |
| <del></del>                                      | 14         |  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | Н  | $\dashv$ | $\dashv$ | ŀ   |       | 64       | $\vdash$     | $\vdash$ | -              | $\vdash$        |          | $\dashv$ | -        | $\dashv$ |          |     |       | 113        | $\vdash$       | Н               | $\dashv$ | -        | -        | -        |          | $\dashv$ | $\dashv$             |
| <del></del>                                      | 15         | بد   | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | $\vdash$   | $\dashv$ | $\dashv$ | ŀ   |       | 65       |              | $\vdash$ | -              | H               | $\vdash$ |          |          | $\dashv$ | $\dashv$ |     |       | 114<br>115 | -              | $\vdash$        |          | -        |          |          | $\dashv$ |          | $\vdash$             |
| <u></u>  | 16         | H  | $\vdash$        |          | $\dashv$ |          | $\vdash$ | $\vdash$   | $\dashv$ | $\dashv$ | ŀ   |       |          |              | -        | $\vdash$       | $\vdash$        |          |          | $\dashv$ |          | $\dashv$ |     |       | 116        | <u> </u>       | $\vdash$        | -        | -        | -        |          | -        | $\dashv$ | $\vdash\vdash$       |
| ├  | 17         | Н  | $\vdash$        | $\dashv$ | $\dashv$ | $\vdash$ |          | <del>                                     </del> | $\dashv$ | $\dashv$ | 1   |       | 66<br>67 | $\vdash$     | H        | <b>-</b>       | Н               |          | $\dashv$ |          | $\dashv$ |          |     |       | 117        |                | -               |          |          |          | $\dashv$ |          |          | $\vdash\vdash\vdash$ |
| <u> </u>   |            | +  | -               |          | $\dashv$ | -        |          | Н  | $\dashv$ | 4        | ŀ   |       | 68       |              |          |                | -               |          |          |          | -        |          |     |       | 118        |                | $\vdash$        | $\dashv$ |          |          |          | $\dashv$ | -        | $\vdash\vdash$       |
|  | 18<br>19   | F  | $\dashv$        |          |          |          | _        | $\vdash$   |          | 4        | .   |       |          | H            | _        |                | Н               |          | $\dashv$ | -        | $\dashv$ | -        |     |       |            | $\vdash$       | Н               | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | _        | Н                    |
|  |            | H  | $\vdash$        | -        |          | -        |          | Н  | $\dashv$ | 4        | ŀ   |       | 69       | ⊢            |          |                |                 |          |          |          | -        |          |     |       | 119        |                | Н               |          |          |          |          |          |          | $\vdash$             |
|  | 20         | H  | -               |          |          |          |          | H  | -        | -        | }   |       | 70       | -            |          | _              |                 |          |          | $\dashv$ | $\dashv$ |          |     |       | 120        |                | Н               | -        | $\dashv$ | _        | $\dashv$ | $\dashv$ |          | Н                    |
| <u> </u>   | 21         |  |                 |          | $\dashv$ |          |          | $\vdash$   |          | ٠        | ٠   |       | 71       | _            | _        |                |                 |          | -        | -        | -        |          |     | -     | 121        |                | Н               | -        |          |          |          | $\dashv$ |          | Н                    |
| <u> </u>   | 22         |  | Н               | $\dashv$ | $\dashv$ |          |          | $\vdash$   |          | 4        | - } |       | 72       | <u> </u>     |          |                | -               |          |          |          |          |          |     |       | 122        |                | $\vdash$        |          |          |          | _        | $\dashv$ | _        | Н                    |
| ├  | 23<br>24   | Н  | Н               | $\dashv$ | $\dashv$ |          |          | $\vdash$   |          | 4.       | .   |       | 73<br>74 | ⊢            |          |                | щ               |          |          |          |          |          |     |       | 123<br>124 |                | $\vdash$        |          |          |          |          | $\dashv$ | -        | Н                    |
| <u> </u>   | 25         | Н  |                 | -        | $\dashv$ | -        | -        | $\vdash$   |          | 4        | ╌┟  |       |          |              |          | -              |                 |          | $\dashv$ | $\dashv$ | -        |          |     |       |            | _              | $\vdash$        |          |          |          |          | $\dashv$ | _        | Н                    |
|  | 26         | H  | -               | $\dashv$ | -        |          |          | $\vdash$   | -+       | $\dashv$ | ŀ   |       | 75<br>76 | $\vdash$     | _        | _              | $\vdash$        | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ |     |       | 125<br>126 |                | $\vdash$        | -        | -        | -        | $\dashv$ | $\dashv$ | -        | $\vdash$             |
| <del></del>                                      | 27         | $\vdash$   | -               | $\dashv$ | $\dashv$ | -        | _        | $\vdash$   | -        | -        | ŀ   |       | 77       | _            |          | _              | _               |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | ٠,  |       | 127        |                | Н               | -        | -        | -        | $\dashv$ | $\dashv$ | _        | $\vdash$             |
|  | 28         | Н  | -               | $\dashv$ | -        |          |          | $\vdash$   | -+       | $\dashv$ | -   |       | 78       | _            |          |                | $\dashv$        |          | -        | $\dashv$ | $\dashv$ | ᅱ        |     |       |            | _              | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ |          | $\dashv$ | _        | $\vdash$             |
|  | 29         | $\vdash$   |                 | -        | -        |          |          | Н  | $\dashv$ |          |     |       | 79       |              |          | _              | -               |          |          |          |          |          |     |       | 128<br>129 | _              | $\vdash$        |          |          | $\dashv$ |          | $\dashv$ | -        | $\vdash$             |
| <u> </u>   | 30         | Н  |                 |          |          |          | _        | Н  | $\dashv$ | $\dashv$ | ŀ   |       |          | _            |          |                | -               | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |     |       |            | _              | Н               | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | Н                    |
| -  | 31         | Н  | -               |          |          |          | _        | Н  | $\dashv$ | -        | ŀ   |       | 80       | H            |          | $\vdash$       | Н               |          | $\dashv$ | $\dashv$ | $\dashv$ | ᅥ        |     |       | 130        |                | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | _        | $\vdash$             |
|  | 32         | $\vdash$   |                 | $\dashv$ |          |          |          | Н  | -+       | -{       | - 1 |       | 81       | -            |          | _              | -               |          | -        | $\dashv$ | $\dashv$ | $\dashv$ |     |       | 131        | <u> </u>       | Н               | -        | -        | $\dashv$ | -        |          | $\dashv$ | Н                    |
|  | 33         | $\vdash$   | $\vdash$        |          |          | -        |          | Н  | $\dashv$ | $\dashv$ | ۱.  |       | 82       |              | $\vdash$ | $\vdash$       | H               |          | $\dashv$ | $\dashv$ |          | $\dashv$ |     |       | 132        |                |                 |          | -        | -        |          | -        |          | $\vdash$             |
| <b>-</b>   | 34         | $\vdash\vdash$                                   | $\dashv$        |          |          |          |          | $\vdash\vdash$                                   | $\dashv$ | $\dashv$ | ŀ   |       | 83<br>84 | <del> </del> | -        | H              | Н               |          |          |          |          | $\dashv$ |     |       | 133        | $\vdash$       | $\vdash$        |          |          |          |          | -        | -        | $\vdash\vdash$       |
| <del> </del>                                     | 35         | $\vdash$   | $\dashv$        |          |          | -        |          | $\vdash$   | $\dashv$ | $\dashv$ | }   |       | 85       |              | $\vdash$ |                | $\vdash$        | -        |          |          | $\dashv$ | $\dashv$ |     |       | 134<br>135 | Ь—             | $\vdash \vdash$ | $\dashv$ | -        | -        | -        |          | _        | Н                    |
| <del></del>                                      | 36         | $\vdash$   | $\dashv$        | $\dashv$ | -        | -        |          | ┟╌┤  | -+       | $\dashv$ | ŀ   |       | 86       | -            | $\vdash$ | -              | $\vdash$        |          |          |          | $\dashv$ | $\dashv$ |     |       | 135        | <u> </u>       | $\vdash \vdash$ | $\dashv$ |          | -        | $\dashv$ |          | $\dashv$ | $\vdash$             |
| <del> </del>                                     | 37         | Н  |                 | -        |          | -        |          | $\vdash \vdash$                                  | $\dashv$ | $\dashv$ | -   |       | 87       | -            | <u> </u> | -              | $\vdash$        | -        |          |          | $\dashv$ | $\dashv$ |     |       | 136<br>137 |                | $\vdash \vdash$ |          | $\dashv$ | $\dashv$ | -        |          | -        | $\vdash\vdash$       |
| <del>                                     </del> | 38         | $\vdash$   | $\dashv$        | -        | $\dashv$ | $\dashv$ |          | $\vdash \vdash$                                  | $\dashv$ | $\dashv$ | }   |       | 88       | $\vdash$     | -        | $\vdash\vdash$ | $\vdash$        |          | -        | $\dashv$ | -        | $\dashv$ |     |       | 137        | $\vdash\dashv$ |                 |          |          | -        |          | $\dashv$ |          | $\vdash\vdash$       |
|  | 39         | Н  | $\dashv$        | -        |          |          |          | $\vdash \dashv$                                  | $\dashv$ | $\dashv$ | }   |       | 89       | $\vdash$     | $\vdash$ | $\vdash$       | $\vdash$        | $\dashv$ | -        | ᅱ        | $\dashv$ | $\dashv$ |     |       |            | ┞╾┤            | $\vdash$        | -+       | -        | $\dashv$ | $\dashv$ |          |          | $\vdash$             |
|  | 40         | Н  | $\vdash$        | -        |          | -        |          | $\vdash$   | -        | $\dashv$ | }   |       | 90       | $\vdash$     |          | $\vdash$       |                 |          | -        |          | $\dashv$ | $\dashv$ |     |       | 139<br>140 | $\vdash$       | $\vdash\vdash$  | -        | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\vdash$             |
| <del></del>                                      |            | $\vdash$   | -               | $\dashv$ | $\dashv$ | $\dashv$ |          | H  | $\dashv$ | $\dashv$ | }   |       |          | $\vdash$     | $\vdash$ | $\vdash$       | Н               | $\dashv$ | $\dashv$ | {        |          |          |     |       |            | -              | $\vdash$        |          |          |          |          | -        |          | $\vdash$             |
| <u> </u>   | 41         | Н  | $\dashv$        |          |          | -        |          | $\vdash$   | -+       | $\dashv$ | }   |       | 91<br>92 | $\vdash$     |          | $\vdash$       | $\vdash \vdash$ |          |          |          | $\dashv$ | $\dashv$ |     |       | 141<br>142 | $\vdash$       | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ |          |          |          | ⊢⊢                   |
| $\vdash$   | 43         | <del>                                     </del> | $\dashv$        | -        | $\dashv$ | $\dashv$ | $\vdash$ | $\vdash$   | $\dashv$ | $\dashv$ | }   |       | 93       | $\vdash$     | Н        | Н              | Н               |          |          |          |          |          | ¦   |       | 142        | -              | $\vdash \vdash$ |          |          |          |          |          | _        | $\dashv$             |
| <b></b> -  | 44         | $\vdash$   | $\dashv$        | 4        | -+       | $\dashv$ |          | $\vdash$   | -+       | $\dashv$ | }   |       | 94       | $\vdash$     | $\vdash$ | -              | $\vdash$        |          | $\dashv$ | $\dashv$ | $\dashv$ |          |     |       | 144        |                | ┝╌┥             | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ | _        | $\vdash$             |
| <del></del>                                      | 45         | $\vdash$   | -               | -        |          |          |          | $\vdash \vdash$                                  | +        | $\dashv$ | }   |       | 95       |              | -        | $\vdash$       | -               |          | $\dashv$ | -+       |          |          | ŀ   |       | 145        |                | $\vdash \vdash$ | $\dashv$ |          | $\dashv$ |          |          | $\dashv$ | $\vdash$             |
| <u> </u>   | 46         | ├─┤  | $\dashv$        | $\dashv$ |          | $\dashv$ | $\vdash$ | ┝╌┤  |          | $\dashv$ | }   |       | 96       | $\vdash$     |          |                | $\vdash$        |          |          | $\dashv$ | -        | $\dashv$ | ŀ   |       |            | $\vdash$       | ┝╌┥             |          | $\dashv$ |          |          | $\dashv$ |          | Н                    |
|  | 47         |  | $\dashv$        | -        |          |          |          | $\vdash \vdash$                                  | $\dashv$ | $\dashv$ | }   |       | 97       | $\vdash$     |          | $\vdash$       | $\vdash$        |          | -        | -        |          |          | -   |       | 146        | $\vdash$       | $\vdash \vdash$ | $\dashv$ | -        | -        |          |          |          | $\vdash$             |
| $\vdash$   | 48         | $\vdash$   | $\dashv$        |          |          |          | -        | $\vdash \vdash$                                  | -+       | ᅱ        | }   |       |          | $\vdash$     |          | $\vdash$       | $\vdash$        |          | $\dashv$ |          | -+       |          | - 1 |       | 147        | Н              |                 |          |          | <b></b>  |          |          | _        | $\dashv$             |
| <del> </del>                                     | 48         | $\vdash$   | -+              |          | $\dashv$ |          | -        | $\vdash \downarrow$                              | +        | $\dashv$ | -   |       | 98<br>99 | Н            | Ш        | -              |                 |          | -+       | -        | -        | $\dashv$ | ]   |       | 148        |                | Н               |          |          | -        |          |          |          | $\dashv$             |
| <u> </u>   | 50         | ┥  | $\dashv$        | -{       | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash \vdash$                                  | +        | $\dashv$ | -   |       |          | Н            | -        | $\dashv$       |                 |          | -+       | $\dashv$ | -        |          | }   |       | 149        | Н              | $\vdash \vdash$ | $\dashv$ |          | $\dashv$ |          | -        |          | $\vdash$             |
|  | 30         | Щ.   |                 | !        |          |          |          | Ш  | L        |          | L   |       | 100      | Ш            |          |                |                 |          |          |          |          |          | l   |       | 150        | لـــا          | لــا            |          |          | Ш        |          | i        |          | لـــا                |